

"TRP" Pilot

Temperature Pilot for HD & D Regulating Valves

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Temperature Pilot

- Temperature Control Range: 20° -250°F

TYPICAL APPLICATIONS

The "TRP" Temperature Pilot used with either the HD or D Regulator controls temperature in various processes and systems. Some examples are: Oil heaters, Ovens, Process Heaters, Vats, Dryers and Jacketed Kettles.

The "TRP" will control lower temperatures than the standard "T" Pilot

FEATURES

- Ductile iron pilot body
- Stainless steel valve and seat
- Pilot ranges under 100°F are cross-ambient filled to minimize thermal fluctuations
- Standard capillary is copper with 316 stainless steel armor in 10 ft. length

OPTIONS

- **Additional Capillary Length:** Available up to 25-ft. in 5-ft. increments.
- **Special Materials:** Sensing bulb, wells, and capillary are available in special corrosion resistant materials.
 - 316 stainless steel capillary
 - 316 stainless armor covering with standard capillary
 - Kynar-covered capillary
- **Finned Bulb:** Special finned sensing bulb for improved temperature sensitivity when controlling air temperature in heating ducts.
- **Dry Well:** Dry well or separable socket is available in stainless steel or copper.
- **Temperature Sensing Dial:** Indicates temperature of process being controlled



MATERIALS

Pilot Body	Ductile Iron
Valve and Seat	Copper
Support Bracket	Aluminum
Bulb & Capillary	Copper (optional stainless steel)
All Other Parts	Brass

HOW TO ORDER

"TRP" TEMPERATURE PILOT

Specify:

- Temperature range from the chart or indicate the temperature of the process you wish to control.
- The length of capillary required.

REGULATOR BODY

Specify:

- HD or D regulator body.
- Regulator size or capacity of steam required.
- End connections (threaded, 125/150/250/300# flanged).

DIMENSIONS – inches

Std. Bulb Range °F	Bulb Length	Bulb Diameter	Height	Dry Well or Separable Socket	
	A	B	C	D	E
*20-80°	17 ¹ / ₂	7/8	17 ¹ / ₂	18 ¹ / ₂	1
*40-100°	17 ¹ / ₂	7/8	17 ¹ / ₂	18 ¹ / ₂	1
*60-120°	17 ¹ / ₂	7/8	17 ¹ / ₂	18 ¹ / ₂	1
*80-140°	17 ¹ / ₂	7/8	17 ¹ / ₂	18 ¹ / ₂	1
*100-160°	17 ¹ / ₂	7/8	17 ¹ / ₂	18 ¹ / ₂	1
110-170°	10 ¹ / ₂	5/8	17 ¹ / ₂	11 ¹ / ₂	3/4
130-190°	10 ¹ / ₂	5/8	17 ¹ / ₂	11 ¹ / ₂	3/4
150-210°	10 ¹ / ₂	5/8	17 ¹ / ₂	11 ¹ / ₂	3/4
170-230°	10 ¹ / ₂	5/8	17 ¹ / ₂	11 ¹ / ₂	3/4
190-250°	10 ¹ / ₂	5/8	17 ¹ / ₂	11 ¹ / ₂	3/4

* Cross-ambient filled thermal systems: these units are standard on 100° F or less minimum temperature ranges. If the surrounding air temperature (ambient air temperature) is within 20° F of the minimum temperature that the unit will be used at, a special cross-ambient temperature unit is required which includes the necessary 17¹/₂" bulb length.

